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PRELIMINARY ASSESSMENT FOR THE
STANDARD OIL COMPANY REFINERY - LARAMIE

PREPARED BY: KATIE SEWELL

DATE: AUGUST 23, 1984

On May 17, 1984, Katie Sewell with the Wyoming Department of Environmental Quality (WDEQ), Solid Waste Management (SWM) and Phil Pucel with WDEQ, Water Quality Division (WQD) visited the abandoned Standard Oil Company Refinery in Laramie. A second site visit was made on August 13, 1984, accompanied by Amoco representatives John Huddle, Ed Sullivan and Tony Gogle.

The Standard Oil Company Refinery was located in northwest Laramie straddling the Laramie River and bounded on the east by the Union Pacific Railroad and on the north by Curtis Street. Midwest Refining Company built the refinery at Laramie in about 1919. Standard Oil Company built pressure stills adjacent to the refinery to process gas oil from Midwest sometime after 1919. In 1922 Standard Oil Company acquired and operated the refinery until it shut down in 1932.

There is very little evidence today of the former refinery. On the south eastern edge of the property are concrete remains of the pressure stills. Tank firewalls can still be seen in the central portion of the site. Brick and concrete debris are scattered along the bank of the Laramie River and the sump used as a reservoir at the river intake still holds water.

Some areas of concern numbered on the attached site sketch are as follows:

1. The former refining area located in the southwest corner of the property. The main concern here is subsurface contamination from leaking pipes, and spillage.
2. A sunken area containing a black oily waste mixed with bricks was seen near the river in the southwest corner of the site. There was also a trench with barrels, cans, building debris, insulating material and a little standing liquid.
3. An oil separator was located on an old real estate map provided by Amoco and then seen at the site. The edge is visible but it has been filled with soil and rubble.
4. An acid sludge sump was also identified on an old real estate map. No evidence of the sump was seen during the site visit.

PRELIMINARY ASSESSMENT FOR STANDARD OIL COMPANY REFINERY - LARAMIE
AUGUST 23, 1984
PAGE 2

5. Tank dikes remain in the tank storage area. A black oily waste was found inside the tank firewalls at several locations.

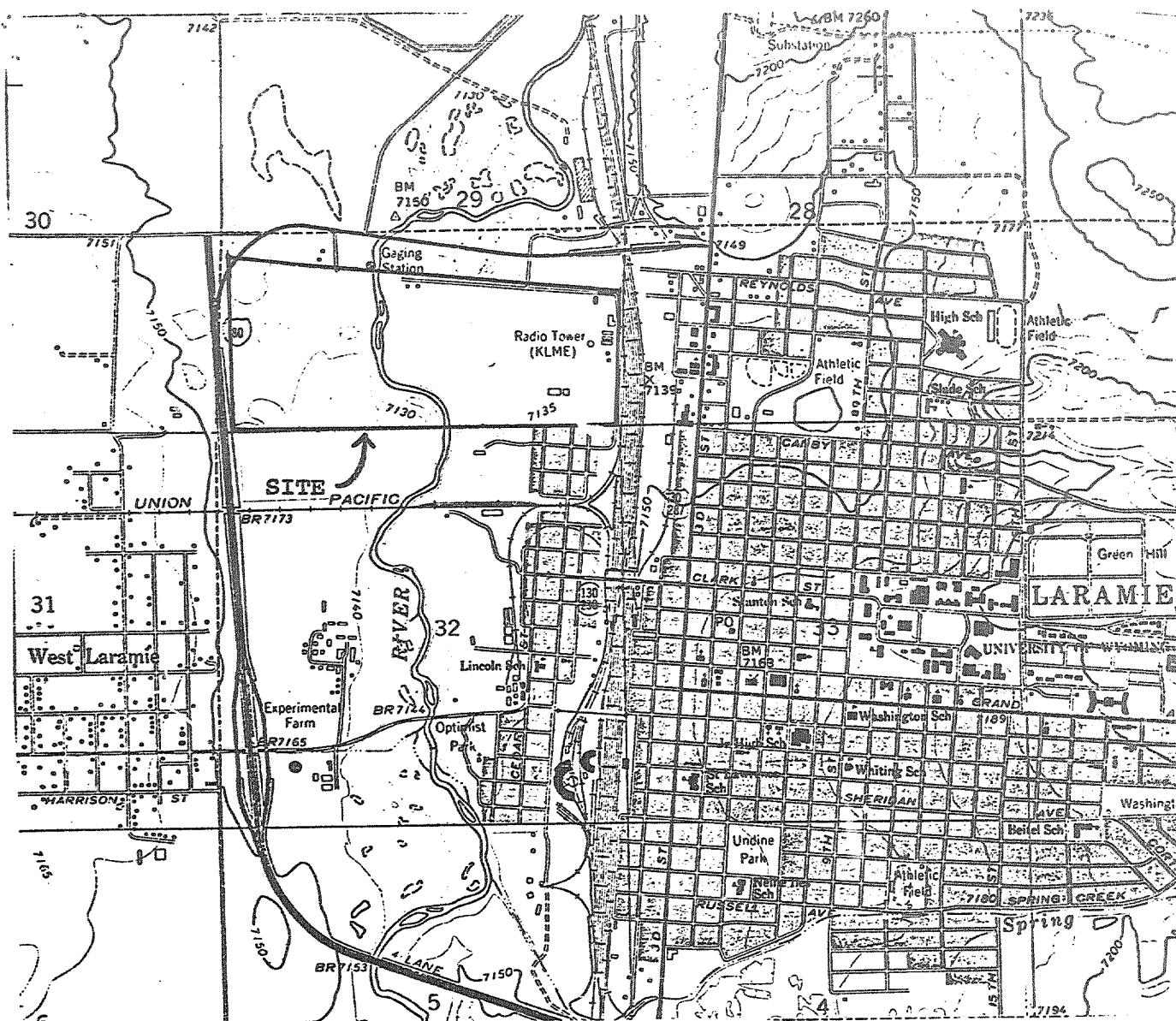
6. A sump used to hold process water is still present on the site.

7. East of the sump is a disposal area located inside an old tank firewall. A variety of wastes were seen here including black sludges, white powdery material, cans, barrels, and building debris.

During the site visit on August 13, 1984, Amoco representatives agreed to install observation wells along the edge of the Laramie River and near disposal areas on the site. They will submit all proposals to the appropriate Wyoming regulatory agency and to Liz Evans with the U. S. Environmental Protection Agency and continue a site investigation as needed.

CONCLUSION

Amoco Oil Company is proceeding to investigate contamination at the Standard Oil Company Refinery. They are working closely with the State of Wyoming and Federal agencies responsible for governing contamination and cleanup of the site. It is recommended that CERCLA activity at this site consist of reviewing planned actions and observing on-site operations when necessary.



STANDARD OIL COMPANY REFINERY

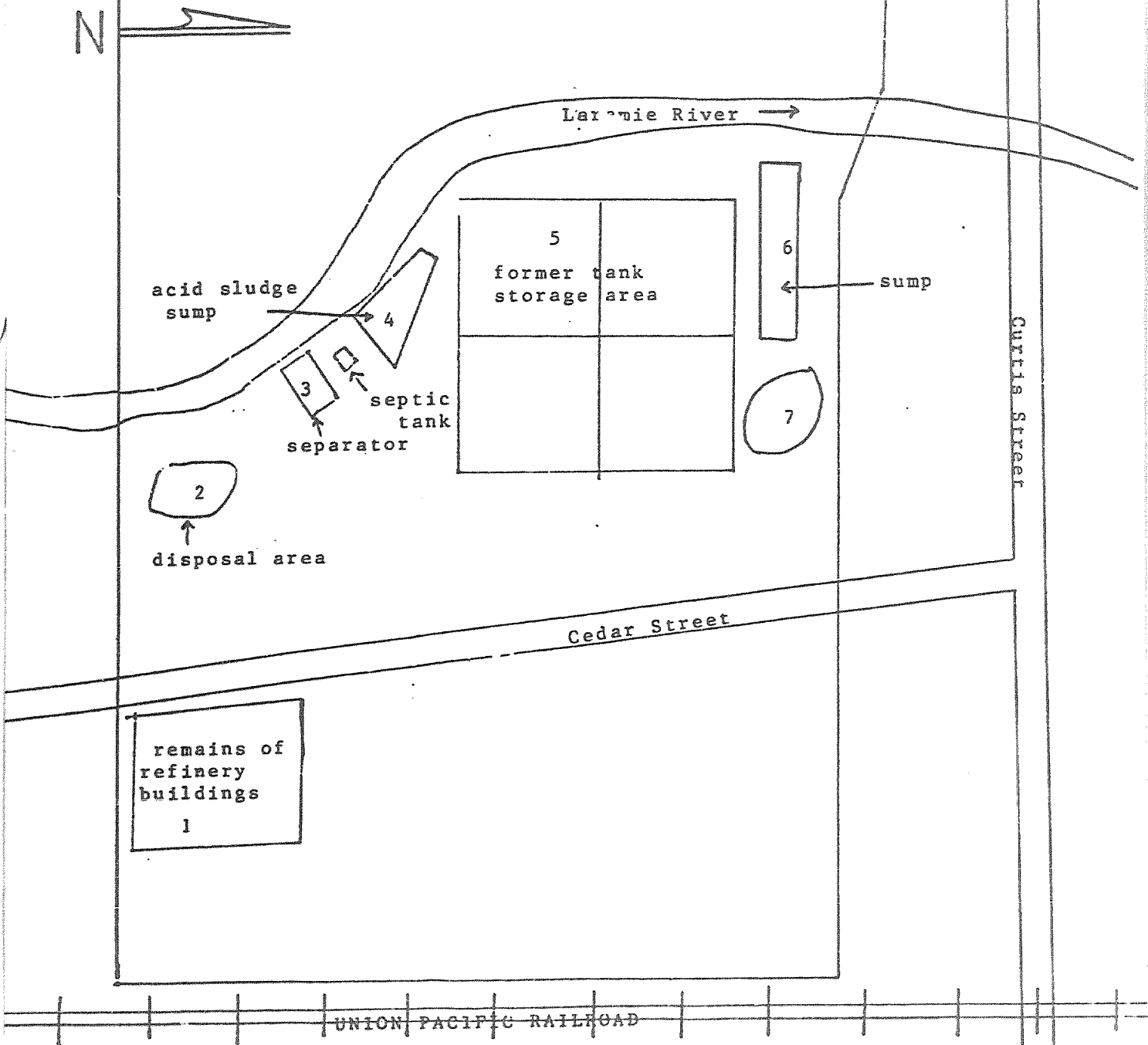
LARAMIE, WYOMING


site location map reference: USGS topo map
 1" = 2000' Laramie quad

Katie Sewell
 August 20, 1984

STANDARD OIL COMPANY REFINERY
LARAMIE, WYOMING

site sketch (not to scale)
Katie Sewell August 17, 1984



 POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT				I. IDENTIFICATION 01 STATE 02 SITE NUMBER	
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site) Standard Oil Company Refinery			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER N. Cedar St.		
03 CITY Laramie		04 STATE WY	05 ZIP CODE 82070	06 COUNTY Albany	07 COUNTY CODE
09 COORDINATES LATITUDE 41° 19' 27" N		LONGITUDE 105° 36' 10" W			
10 DIRECTIONS TO SITE (Starting from nearest public road) located in northwest Laramie south of Curtis St. and west of the Union Pacific Railroad					
III. RESPONSIBLE PARTIES					
01 OWNER (If known) George Millett / Hubert Nickel			02 STREET (Business, mailing, residential) 		
03 CITY Laramie / Wheatland		04 STATE WY	05 ZIP CODE 	06 TELEPHONE NUMBER 807721-5291	07 COUNTY CODE 322-4511
07 OPERATOR (If known and different from owner) Amoco Oil Company			08 STREET (Business, mailing, residential) 200 East Randolph St.		
09 CITY Chicago		10 STATE IL	11 ZIP CODE 60680	12 TELEPHONE NUMBER 812856-7826	13 TELEPHONE NUMBER
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input checked="" type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 5/17/84 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1919 ENDING YEAR 1932 <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED petroleum refining wastes					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION potential for soil, groundwater, and surface water contamination					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT John Huddle		02 OF (Agency/Organization) Amoco Oil Company		03 TELEPHONE NUMBER 812856-7826	
04 PERSON RESPONSIBLE FOR ASSESSMENT Katie Sewell		05 AGENCY WDEQ	06 ORGANIZATION Solid Waste	07 TELEPHONE NUMBER 307 777-7752	08 DATE 8/17/84 MONTH DAY YEAR

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<div style="display: inline-block; vertical-align: middle; text-align: center;"> POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS </div>		I. IDENTIFICATION <div style="display: flex; justify-content: space-between; font-size: small;"> 01 STATE 02 SITE NUMBER </div>	
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 <input checked="" type="checkbox"/> A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
the refinery was located in an alluvial area with groundwater 5 - 10 feet deep			
01 <input checked="" type="checkbox"/> B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
the Laramie River runs through the site			
01 <input type="checkbox"/> C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
the site is not fenced			
01 <input checked="" type="checkbox"/> F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: _____ <small>(Acres)</small>	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
from leaks, spills and disposal activity			
01 <input type="checkbox"/> G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL	<input type="checkbox"/> ALLEGED

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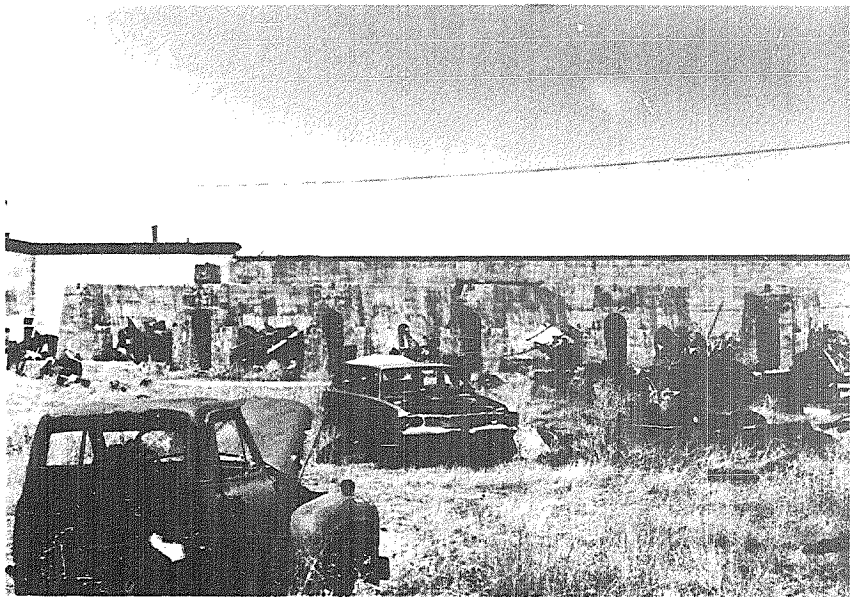
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EPA POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS		I. IDENTIFICATION	
		01 STATE	02 SITE NUMBER
II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)			
01 <input checked="" type="checkbox"/> J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED	
from contaminated soil and other disposal activities			
01 <input checked="" type="checkbox"/> K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (include name(s) of species)		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED	
aquatic species			
01 <input type="checkbox"/> L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED	
01 <input type="checkbox"/> M. UNSTABLE CONTAINMENT OF WASTES (leaks/runoff/standing liquids/leaking drums) 03 POPULATION POTENTIALLY AFFECTED: _____		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED 04 NARRATIVE DESCRIPTION	
01 <input type="checkbox"/> N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED	
01 <input type="checkbox"/> O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED	
01 <input type="checkbox"/> P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION		02 <input type="checkbox"/> OBSERVED (DATE: _____) <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED	
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS			
III. TOTAL POPULATION POTENTIALLY AFFECTED: _____			
IV. COMMENTS			
see narrative			
V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)			
John Huddle - Amoco Oil Company, Chicago WDEQ - Water Quality Division, Cheyenne			

Laramie Refinery
Laramie
May 17, 1984 K. Sewell

old refinery buildings



old refinery buildings



same



Laramie Refinery - Laramie

May 17, 1984
K. Sewell

waste disposal area - 2



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Laramie Refinery - Laramie

may 17, 1984
K. Sewell

waste disposal area - 2



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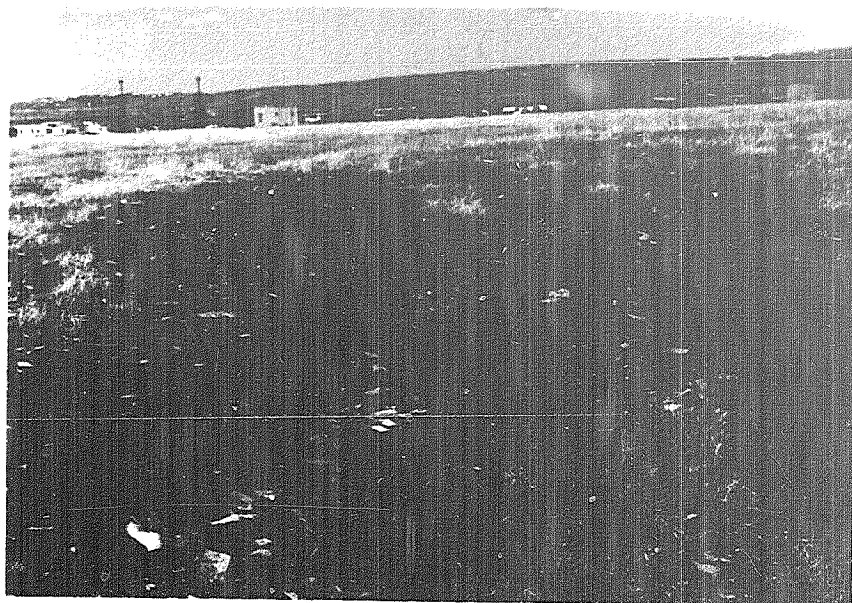
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LARAMIE REFINERY
laramie

May 17, 1984
K. Sedell

waste disposal area - 2



waste disposal trench - 2



waste disposal trench - 2



LARAMIE REFINERY - Laramie

May 17, 1984
K. Sewell

old API separator



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may 17, 1964
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waste disposal area -2



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Laramie

may 17, 1984
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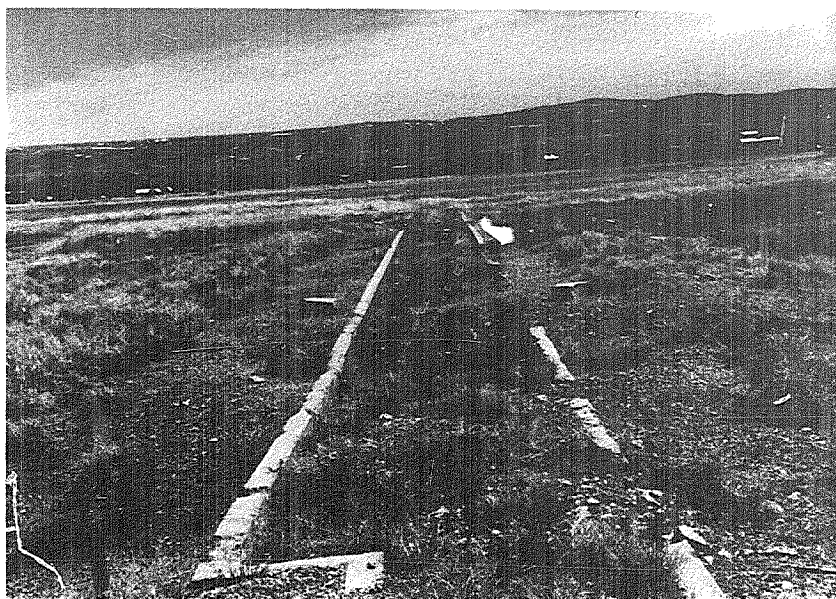
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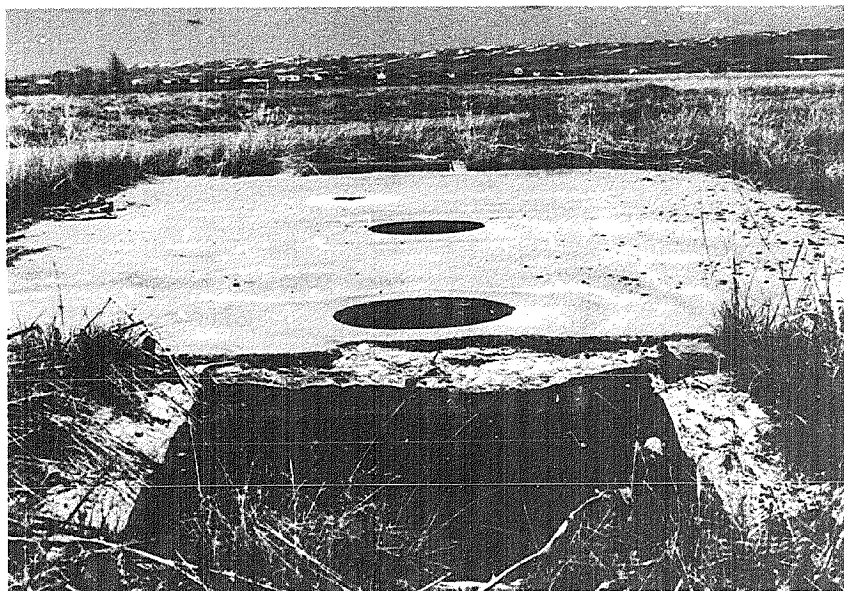
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LARAMIE REFINERY - Laramie

may 17, 1984
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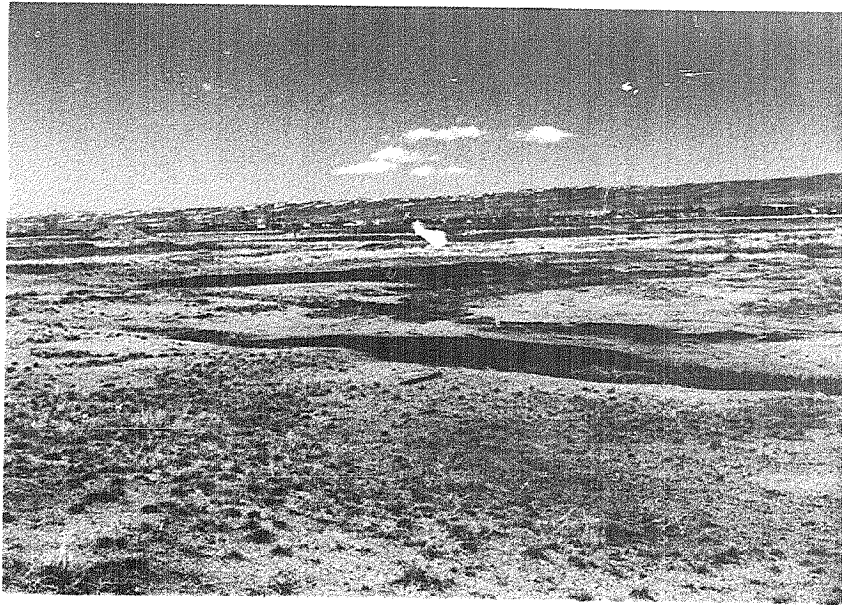
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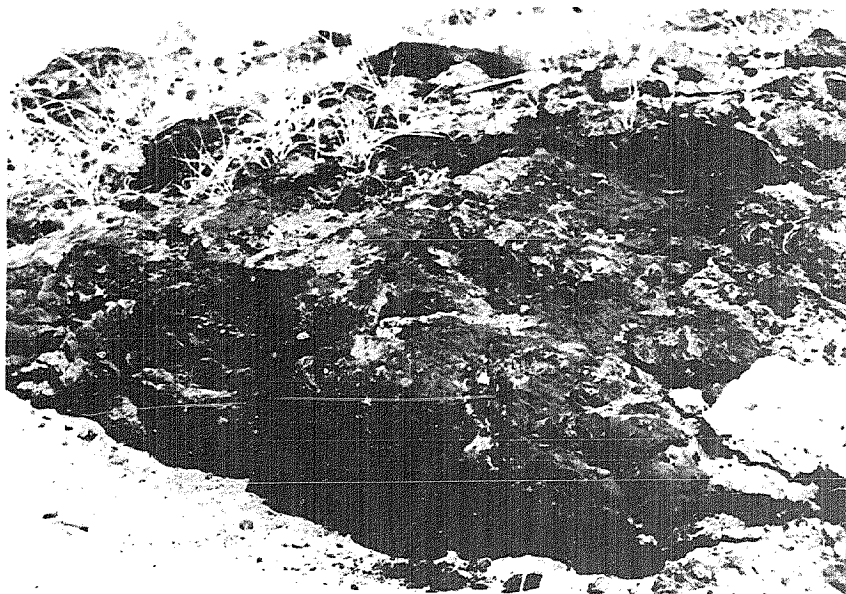
old septic tank

LARAMIE REFINERY - Laramie

may 17, 1984
K. Sewell



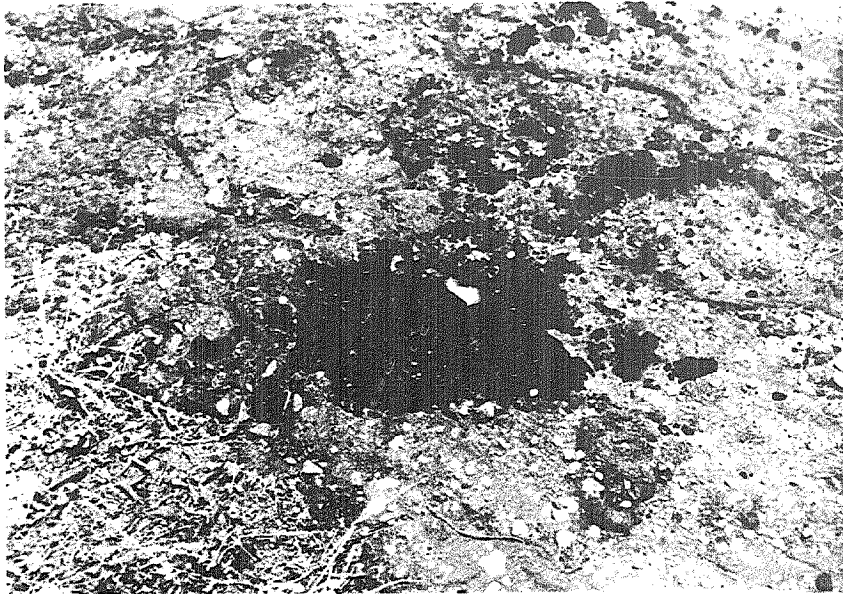
view of waste piles inside old tank fire wall



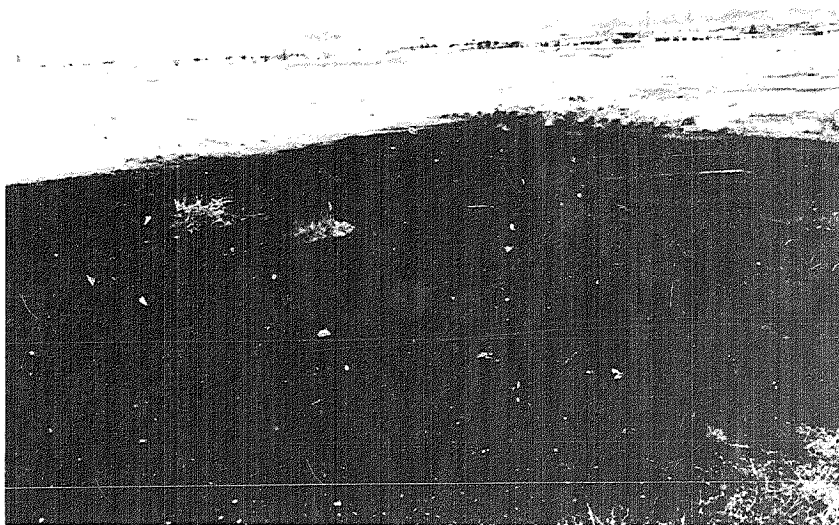
close-up of waste

LARAMIE REFINERY - Laramie

May 17, 1984
K. Sewell



close-up view of waste within old tank fire wall
note: - oily sheen was present



close-up of oily waste within old tank
fire wall

LARAMIE REFINERY - Laramie

May 17, 1984
K. Sewell

view looking northeast of waste disposal area



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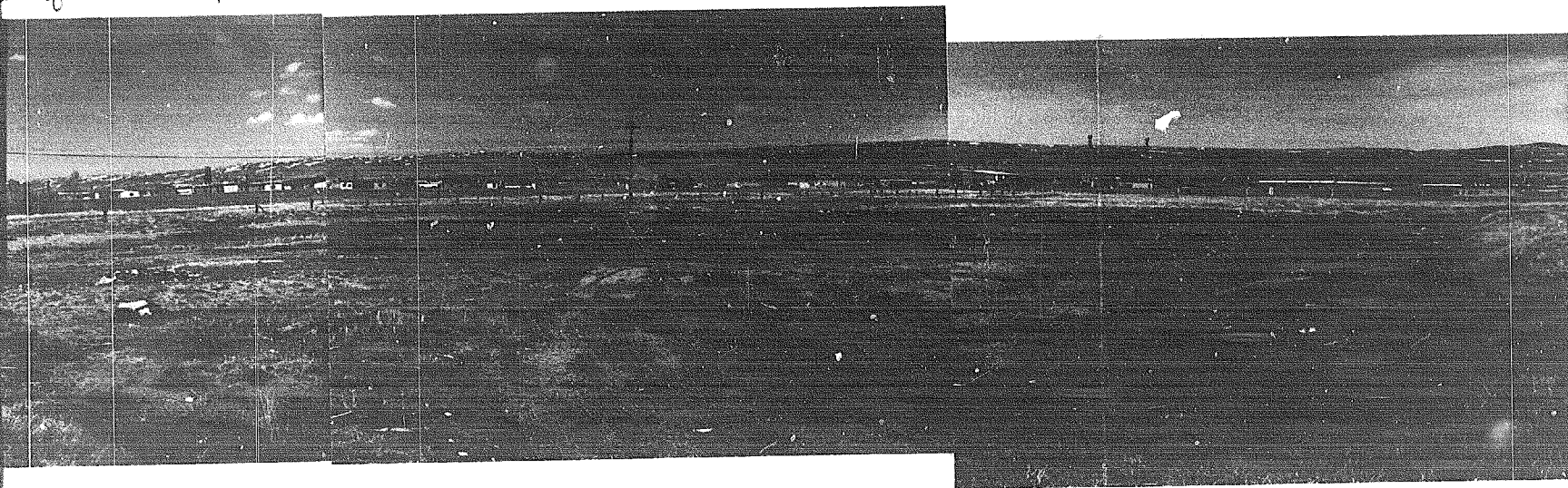
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FINERY - Laramie

May 17, 1984
K. Sewell

st of waste disposal area



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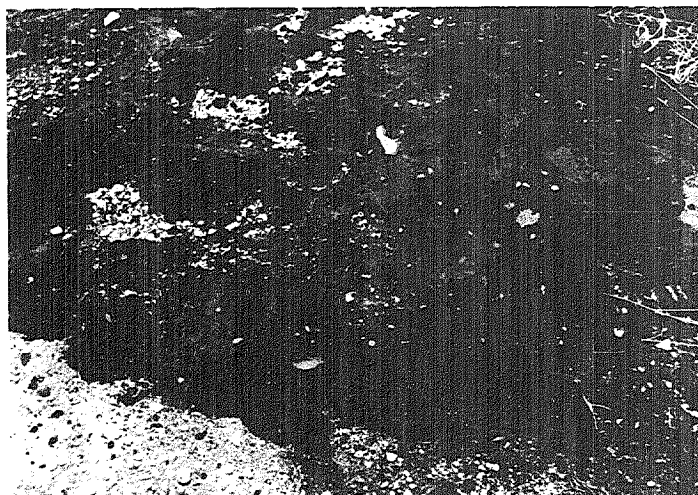
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LARAMIE REFINERY - Laramie

may 17, 1984
K. Sewell



close-up of waste



close up of waste

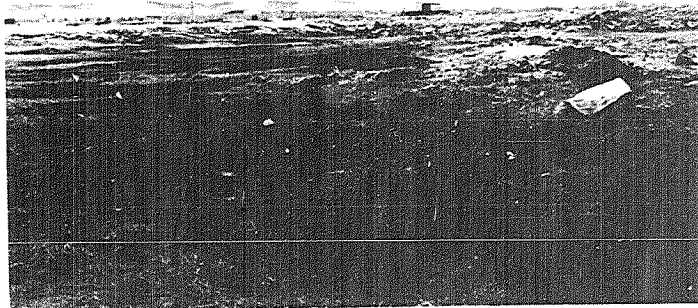
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LARAMIE REFINERY - Laramie

May 17, 1984
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view looking northwest of old building material disposal area



view looking east of waste disposal area

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LARAMIE REFINERY - Laramie

May 17, 1984
K. Sewell



view of oily material along Laramie River bank



view looking east of sump -

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